(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
10 September 2004 (10.09.2004)

PCT

(10) International Publication Number
WO 2004/075636 A1

(51) International Patent Classification[7]: A01N 37/18, A61K 38/02, A23J 1/00

(21) International Application Number: PCT/US2003/006807

(22) International Filing Date: 5 March 2003 (05.03.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/449,001 20 February 2003 (20.02.2003) US

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(81) Designated States *(national)*: AU, CA, CN, IL, IN, JP, KP, KR, NO, RU, SG.

(84) Designated States *(regional)*: European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR).

Published:
— *with international search report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2004/075636 A1

(54) Title: METHODS FOR USING COMPOSITIONS COMPRISING HEAT SHOCK PROTEINS OR ALPHA-2-MACROGLOBULIN IN THE TREATMENT OF CANCER AND INFECTIOUS DISEASE

(57) Abstract: The present invention relates to methods and compositions for the prevention and treatment of infectious diseases, and cancers. The methods of the invention comprises administering (a) a composition comprising a population of complexes of antigenic proteins or antigenic peptides derived from antigenic cells or viral particles and one or more different heat shock proteins; and (b) a non-heat shock protein and non-alpha-2-macroglobulin-based treatment modality. The population or the protein preparation used to produce the antigenic peptides comprises at least 50% of the different proteins or at least 50 different proteins of the antigenic cells or viral particles. Methods for making antigenic peptides comprise digesting a protein preparation of antigenic cells, a cellular fraction thereof, or of viral particles with one or more proteases, or exposing the protein preparation to ATP, guanidium hydrochloride, and/or acidic conditions.